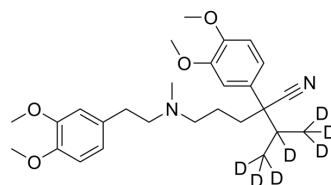


Verapamil-d₇

Cat. No.:	HY-14275S1
CAS No.:	100578-79-8
Molecular Formula:	C ₂₇ H ₃₁ D ₇ N ₂ O ₄
Molecular Weight:	461.64
Target:	Isotope-Labeled Compounds; Calcium Channel; P-glycoprotein; Cytochrome P450
Pathway:	Others; Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Verapamil-d₇ is the deuterium labeled Verapamil (HY-14275). Verapamil ((±)-Verapamil) is a calcium channel blocker and a potent and orally active first-generation P-glycoprotein (P-gp) inhibitor. Verapamil also inhibits CYP3A4. Verapamil has the potential for high blood pressure, heart arrhythmias and angina research^{[1][2][3]}.

REFERENCES

- [1]. Gowarty JL, et al. Verapamil as a culprit of palbociclib toxicity. *J Oncol Pharm Pract.* 2019 Apr;25(3):743-746.
- [2]. Krikler DM. Verapamil in arrhythmia. *Br J Clin Pharmacol.* 1986;21 Suppl 2:183S-189S.
- [3]. Rehnqvist N, et al. Effects of metoprolol vs verapamil in patients with stable angina pectoris. The Angina Prognosis Study in Stockholm (APSIS). *Eur Heart J.* 1996 Jan;17(1):76-81.

Caution: Product has not been fully validated for medical applications. For research use only.

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